STORET Hosting for the EPA Region VIII Tribes

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Biographical Sketches of Authors
Dave Wilcox, Vice President of Gold Systems, Inc., has served as the Practice Manager for environmental projects for over a decade. Dave oversees the development of SIM products and has completed many STORET integration and data management projects across the country for federal agencies, states, tribes, volunteer monitoring groups and private industry.

Michiko Burns received her B.Sc. in Biology from Fort Lewis College in Durango, Colorado. She has worked for five years with the National Park Service conducting research studies into noxious weed control using biological control agents. Of late, she has overseen the Water Quality Program of the Southern Ute Indian Reservation, which includes an intensive surface and groundwater monitoring program, The STORET Database Project, a wetland/riparian area study as well as the Missionary Ridge Fire Complex study.

Abstract
As the use of the new EPA STORET database is adopted around the county, difficulties have been identified by many smaller organizations as they prepare to load their data into the new system. For many of these organizations, such as tribes, volunteer monitoring groups, municipalities, and superfund sites, the overhead of setting up the required Oracle infrastructure can be cost prohibitive. This overhead includes maintaining PCs capable of running Oracle, the Oracle license fees, and access to a Database Administrator to set up and maintain STORET.

To address this problem for the EPA Region VIII tribes, Gold Systems established a program to remotely host STORET for each of the tribes. This program includes the installation of STORET on the Gold Systems' database servers, the development of WebSIM, a Web-Based import module that allows users to load data into their remotely hosted copy of STORET, and the deployment of SIM-DW, a data warehouse that provides convenient, secure access to their STORET data. Additionally, each participating tribe can load their data into a regional copy of the national STORET Warehouse, which provides additional retrieval capabilities. A secure web site was created to provide a single point of entry from which authorized users can access each of these applications, participant contact information, and project documentation, as well as news on project-related events.

In this presentation we will discuss the unique challenges we faced when working with the Region VIII Tribes regarding Data Management, Infrastructure, DBA Support, Security, Reporting and Cost. We will provide a demonstration of the WebSIM solution and, finally, discuss how it addressed each of these issues.